

What is Claimed is:

1. A method for browsing a multimedia data using a multilevel object data structure, comprising the steps of:

(1) receiving multimedia information and multiple supplementary information on each object in the multimedia information on the same time;

(2) separating the multimedia information and the multiple supplementary information;

(3) displaying the multimedia information; and,

(4) browsing/searching supplementary information related to a particular object from the multiple supplementary information, and displaying the supplementary information when a user requests for browsing/searching the supplementary information related to the particular object.

2. A method as claimed in claim 1, wherein the object related supplementary information includes;

content information on a particular program in the multimedia information, and multiple supplementary information including real information.

3. A method as claimed in claim 2, wherein the content information and the real information includes selective combinations of information which represents relations of object information, event information, place information, and object/event/place information in a graph.

4. A method as claimed in claim 3, wherein the content information and the real information includes;

text information describing character of the object, and

image or graphic information on the character.

5. A method as claimed in claim 3, wherein the object information includes;
text information having information describing the object, and
image information on the object information.

6. A method as claimed in claim 3, wherein the event information includes;
text information describing contents of the event, and
information on a place or a sketch map the event occurred.

7. A method as claimed in claim 3, wherein the place information includes;
text information describing the place, and
information on location or a sketch map of the place.

8. A multi-level object data structure in a system for displaying multimedia information,
wherein supplementary information on each object included in the multimedia information has
multiple supplementary information structure including at least content information and real
information on a particular program.

9. A multi-level object data structure as claimed in claim 8, wherein the content
information and the real information includes selective combinations of semantic information
which represents relations of object information, event information, place information, and
object/event/place information in a graph.

10. A multi-level object data structure as claimed in claim 9, wherein the content information and the real information includes;

text information describing character of the object, and

image or graphic information on the character.

11. A multi-level object data structure as claimed in claim 9, wherein the object information includes;

text information having information describing the object, and

image information on the object information.

12. A multi-level object data structure as claimed in claim 9, wherein the event information includes;

text information describing contents of the event, and

information on a place or a sketch map the event occurred.

13. A multi-level object data structure as claimed in claim 9, wherein the place information includes;

text information describing the place, and

information on location or a sketch map of the place.

14. A multi-level object data structure wherein contents of a moving picture is expressed in a graph of object and place relation and an array of related events are made for each relation for making relation, and, for providing a function for displaying a required section, the moving

picture is expressed in an object structure for providing information on objects, a place structure for providing information on a place which is a background of an event, an event structure for providing information required for describing a particular unit event in the moving picture, and relations of the structures in a graph, for searching the moving picture by using a double structure of content information and real information on at least one relation for each of the relations or a selected element, in the moving picture.

15. A multi-level object data structure as claimed in claim 14, wherein the object structure, the place structure, and the event structure, expressed as content information and real information of the moving picture, are expressed in text information describing at least object name, place name, and event.

16. A multi-level object data structure as claimed in claim 14, wherein the content information on the moving picture is information on a place or an object having a meaning in view of content of the moving picture, and the real information is information on a real place which is meaningful place in view of the content of the moving picture, or on actual performer cast an object in the moving picture.

17. A system for browsing a moving picture by using a multi-level object data structure comprising:

means for supplying moving picture digital information including a multiple object information structure having content based meaningful object information of the moving picture and real object information of the object;

means for receiving the digital information and separating and reading the multiple object information and the moving picture information; and,

means for presenting real object information the multiple object information describes in response to a users request.

- 5 18. A system as claimed in claim 17, wherein the multiple object information structure has multiple object information structures for the object, the place, and the event, and the means for presenting real object information presents real information on an object cast in the moving picture or real place information on the place which is a background of an event.

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